



Grades 3-6

ELD Component

For ELD Students Only

WEEK #2

Extended Read 1

Green Transportation Solutions

by Brooke Harris



1 A typical car travels an average of 19,000 kilometers (12,000 miles) per year.... Covering that kind of territory takes a lot of energy. Most of it comes from burning oil and gas. These fuels, called fossil fuels, are in a limited, and dwindling, supply.



2 Burning fossil fuels also produces air pollution, such as when a truck belches a cloud of black smoke. Even worse, burning fossil fuels releases carbon dioxide, a gas.



3 Carbon dioxide and other gases float high into the sky. They trap the sun's heat, like a greenhouse, and raise the planet's temperature. This is called global warming. The result is climate change, which has been linked to extremes in weather....



4 Fortunately,... "green" technologies are being developed. Some of these technologies reduce or replace fossil fuels burned by cars. Other technologies lower people's dependence on cars.



In a June 2013 speech, President Barack Obama said, “I’m announcing a new national climate action plan... to keep the United States of America a global leader in the fight against climate change.”



He... encouraged further development of battery-powered and hybrid cars that run on gas or batteries. Both types of these “green” cars are already on the roads.



Running cars with “green” fuels such as biodiesel or ethanol may be a better choice than using fossil fuels. Biodiesel fuel is made from soybeans, palm oil, and other plants. Ethanol is made from corn and sugar.



Unlike fossil fuels, green fuels use renewable sources. They also emit fewer greenhouse gases. According to the Renewable Fuels Association, “using ethanol in place of gasoline helps to reduce carbon dioxide emissions by up to 30–50%.”

6. ThinkSpeakListen

Summarize how “green” fuels are different from fossil fuels.

What is the text about?

Who are some of the important people in the text?

Where did the story happen?

When did the event happen?

Why was the text written?

Word Study/Build Vocabulary

The Mount St. Helens Volcano

Until 1980, Mount St. Helens was a symbol of Washington's natural beauty... For more than 100 years, the volcano was peaceful.



Then on March 20, 1980, several earthquakes rocked the mountain. Many people were surprised. However, geologists who had been studying the volcano for years weren't surprised at all...



On the morning of May 18, 1980, Mount St. Helens erupted with great force. Clouds of smoke, steam, and ash filled the air. The sky was as dark as night. The eruption continued for hours, destroying 230 square miles. Plant and animal habitats on the mountain were disrupted and devastated, and 57 people died.



9. ThinkSpeakListen

Summarize what happened after Mount St. Helens erupted on May 18, 1980.

Research and Writing

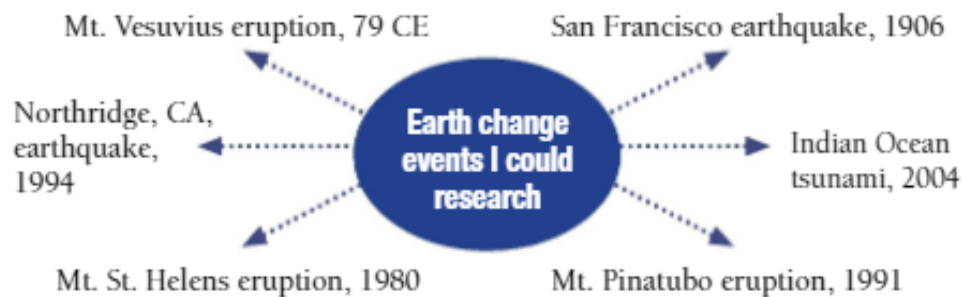
Prompt

Research an Earth change event in the recent or distant past. Present a fictional, firsthand account of what you saw, heard, and felt during and after the event.

Research Topic

Type of Writing

My Presearch Results



My Research Findings

Event: San Francisco Earthquake, 1906	
Where did it happen?	in and around San Francisco, CA, along the San Andreas fault
When did it happen?	April 18, 1906
What happened during the earthquake?	<ul style="list-style-type: none"> • The ground shook for 45 to 60 seconds. • More than 3,000 people died. • 225,000 people became homeless. • 28,000 buildings were destroyed. • After the earthquake, bad fires broke out. • Many people had to live in tents or housing camps. • People stood in long lines for food.

An **acrostic poem** is a type of **poetry** where the first, last or other letters in a line spell out a particular word or phrase. The most common and simple form of an **acrostic poem** is where the first letters of each line spell out the word or phrase.

For example:

Fastly falling
calm
cooling off
cooling off

Love the colors
Ever changing
Autumn
love the colors
Ever changing
SeaSon

A form of poetry
Carefully pick your words
Rhyming or not
Oh what fun!
Subject is vertical
Think of how to describe it
I love writing!
Cool idea

Random letter acrostic

Most Common Acrostic Poem

Write a poem about how we can care for the EARTH.
